



Gulf of Mexico Harmful Algal Bloom Bulletin

2 July 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: June 25, 2007

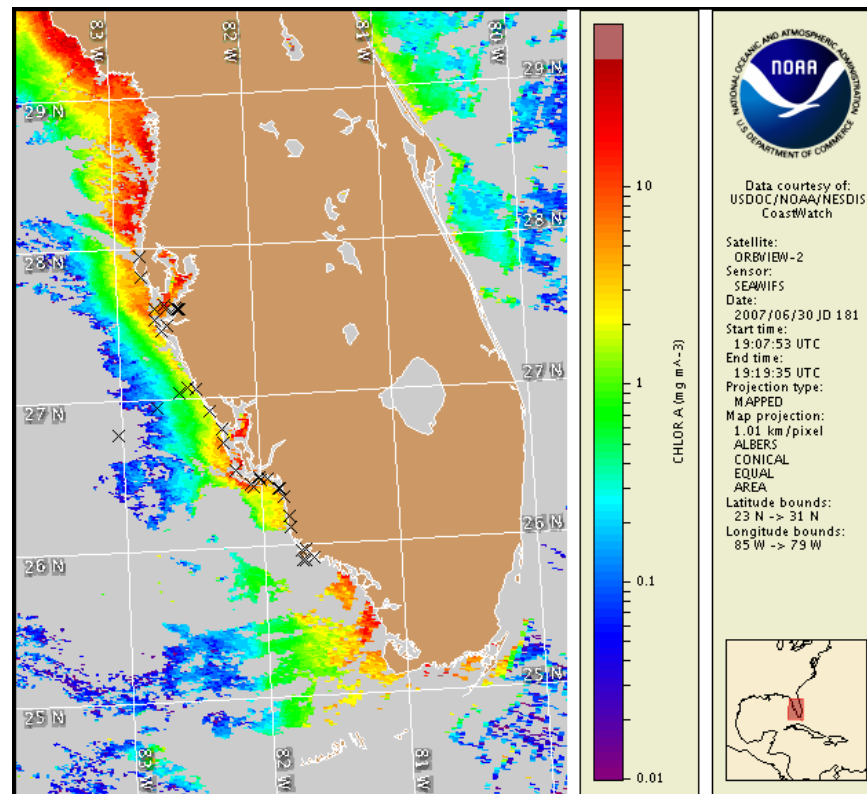
Conditions Report

There is currently no indication of harmful algal bloom presence alongshore Southwest Florida, including the Keys region. No impacts are expected in any Florida county today through Sunday, July 8.

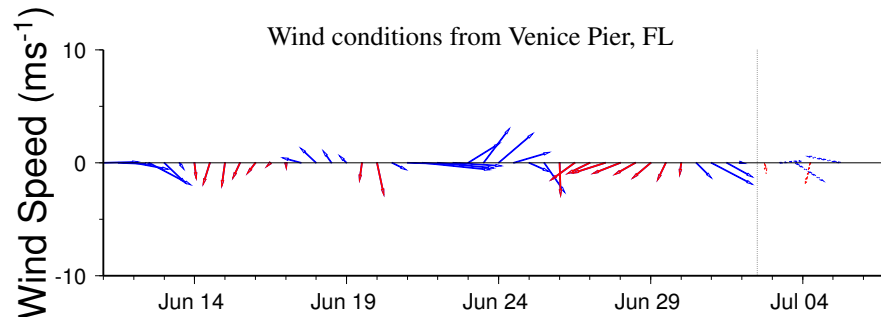
Analysis

Recent satellite imagery does not indicate the presence of *Karenia brevis* alongshore or offshore southwest Florida, including the Keys region, at the present time. Slightly elevated chlorophyll features have been visible alongshore Pinellas, Manatee, Lee and northern Monroe Counties over the past week. This is attributed to varying concentrations of non-harmful algal species, as confirmed by sampling over the past 10 days (FWRI, MML, SCHD). Reports of discolored water remain possible in southern Lee County due to the presence of a non-harmful *Trichodesmium* bloom. Continual westerly winds are expected through Friday, minimizing the potential for nearshore *K. brevis* bloom formation.

~Fisher, Fenstermacher



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from June 22-27 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

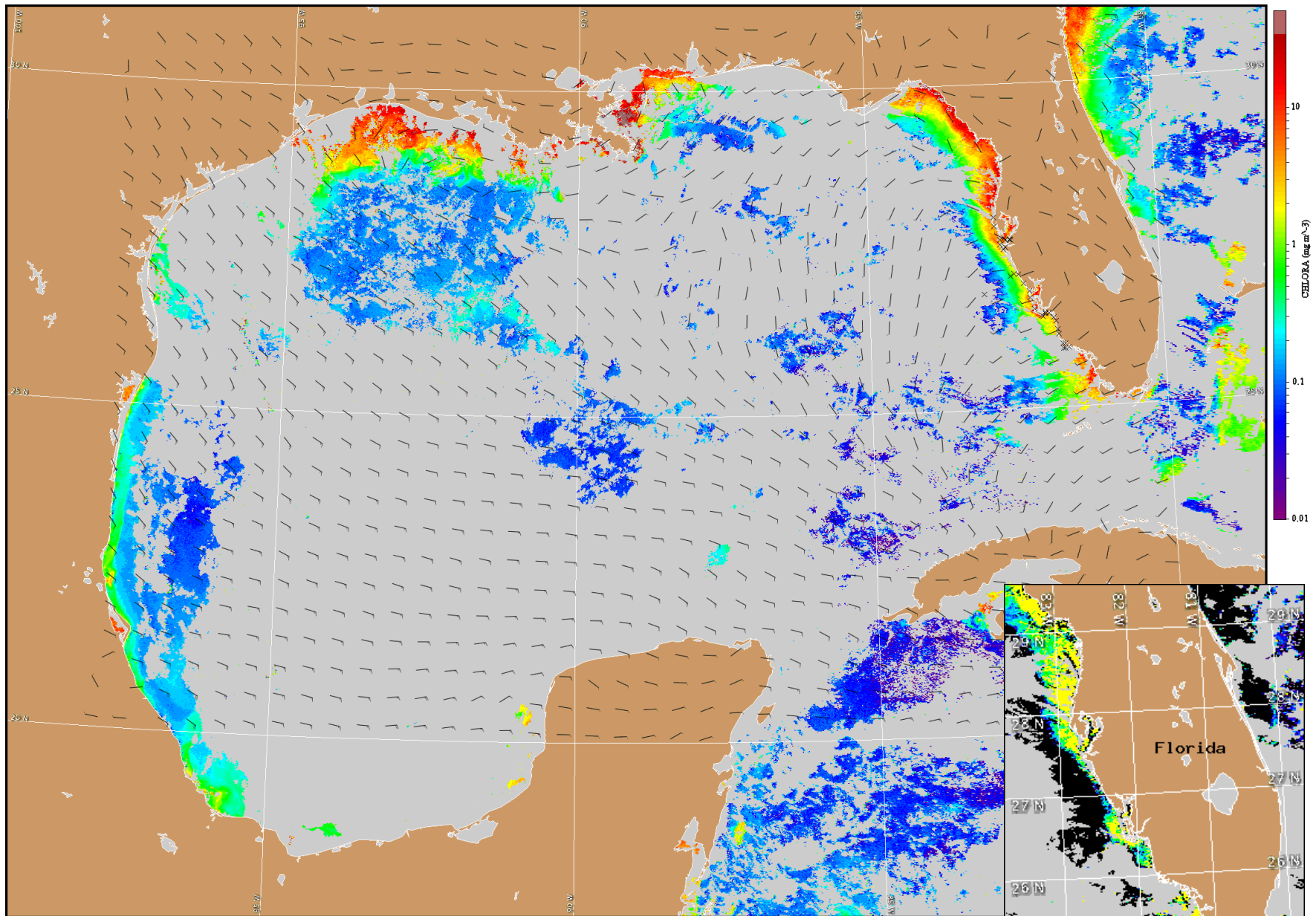


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Northwesterlies today at 10kts (5m/s) are expected to become westerly tonight and continue (up to 15kts, 8m/s) through Friday.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for July 3, 2007 06Z with cell concentration sampling data from June 22-27 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).